

Howland Island - KH1 DXpedition
 organizer Jim Smith VK9NS is now on Tarawa Western Kiribati T30, operating as either T30AJ or T30JS. He will be as active as trip preparations permit. The rest of the crew will join Jim just prior to the March 23 departure for Howland. Crew members include Jim and wife Kristi VK9NS, Jean-Louise TR8JLD, Mac KV4AM, Ron N9CLS, and Cliff NO1Z. The group is trying for an AH1 callsign or two, but will probably use NO1Z/KH1. Watch 14195, 21295, 28595 kHz on SSB, the bottom of 40 and 80 M CW, and 25 kHz up on 20-10 M CW. All QSLs go to H1DXA, Box 90, Norfolk Is. First operation is scheduled for 20 meters on March 25 or 26. Sunrise 1750Z, sunset 0550Z. Donations are very appreciated.

Edited by Chod Harris VP2ML

The DX Bulletin

America's Premier Weekly Amateur Radio Publication

Tonga - A35 Wayne W9GW will operate from Tonga March 11-20, concentrating on CW. QSL home call.

Madeira - CT3 Dick King G3PFS will operate as CT3EU March 21-April 4, on 80-10 SSB. He'll use CR3EU for the WPX SSB test. Watch 14180, 14245, 21240, and 28500 kHz. Dick prefers the last two letters of your call. QSL to home call: Box 1, Norwich NR2 1TL, England, or via RSGB bureau.

Sprately - 1S The planned Japanese DXpedition to Sprately has been cancelled, as efforts to add US and Japanese amateurs to the Philippine DXpedition fell through. An all-DU operation is tentatively scheduled for April, perhaps using the callsign 4D1PAR, for Philippine Amateur Radio. More details as they become available. [Why does this count for 1S and not DU? -ed.]

Minami Torishima - JD Charlie KA2CC's trip to JD1 was cancelled at the last minute due to work requirements. He hopes to reschedule the trip for this summer.

Tuvalu - T2 Karl DL1VU's next stop is T22VU, after wrapping up his operation as 3D2VU (see Bandpass.) QSL T22VU to DJ9ZB.

Fiji - 3D2 Meanwhile Amir 4X6TT goes to Fiji for 10 days through Mar. 22.

DXpedition Rumors

- Japan DX News suggests that G3MCN will operate from the South Cooks Islands ZK1 Mar. 12-April 20, on CW and SSB.
- The same source says DL4MBE will try to operate from New Caledonia FK Mar. 8-13, if he can borrow a suitable station. QSL home call.
- One or more Italian amateurs are said to be on from Wallis Island FW now through mid-March. IK2CKR and IK2GNW are operators mentioned.
- UA9YE says that the much-rumored Vietnam XV8 operation by UA9OB is on for October. These rumors have never panned out. More likely are several Oblast DXpeditions this summer, including three UI8 oblasts, and two UH8 oblasts, including the very rare UI8V, by UA90J and others.
- **Nicobar - VU4** by VU2RBI and company did not come off in Feb., but look for them soon, primarily CW. They'll also train local operators.

Shortly Noted

- 5N0WRE continues to be active on 3797 kHz at about 0600Z.
- Antarctic station 4K1J is on daily 2330-0230Z, on 7003-7 or 14026 kHz.
- FT5ZB is on 7006 kHz at 0100Z, and is now on RTTY and AMTOR. On 160 meters he operates 1827 for USA, 1832 QSX up for Europe, and 1823 QSX 1910 kHz for Japan.
- FT2XE is on 14057, 21057, 28028, and 28528 kHz.
- AP2MQ has a good long-path signal into the West Coast on 14185 kHz at 0200Z.
- J52US has been on 21225 kHz at 1330Z, and 1828 kHz at 0000Z. QSL Dave via WA8JOC.
- Father Moran 9N1MM is on 14236 kHz at 0000Z on Wednesdays.
- The Colvins' next stop might be Indonesia YB. It's Iris's turn for the callsign, so listen for any QL call. Then the Colvins return to the States.
- 20 meter SSB net regulars include TL8DN S92LB TJ1BP EL1J 6W7OG OY9JD C53FV 5V7WD KH9AC 5X5GK and T5GG.

PROPAGATION

Forecast and Historical Data

Day Forecast	27 Days Before	55 Days Before
March	Date Flux A K	Date Flux A K
11 Low Normal	2/13 106 15/19 3	1/16 127 08/10 1
12 High Nor	2/14 105 05/10 0	1/17 120 05/10 3
13 Low/Below	2/15 103 15/26 4	1/18 115 04/14 1
14 High Nor	2/16 104 12/21 4	1/19 118 10/16 3
15 High Nor	2/17 109 10/18 3	1/20 116 07/12 1
16 High Nor	2/18 115 12/18 3	1/21 115 06/11 1
17 High Nor	2/19 112 08/09 2	1/22 108 03/09 1
18 High Nor	2/20 109 03/08 1	1/23 108 01/07 0
19 Low/Below	2/21 107 17/49 3	1/24 106 02/08 0
20 Disturbed	2/22 105 70/123 5	1/25 98 04/10 0
21 Low/Below	2/23 103 27/48 2	1/26 97 08/13 3

Thanks N4XX, KH6BZF, and Space Environment Services.

Propagation Watch

The solar flux has remained in a narrow range of 105-115 for some weeks, with only occasional excursions above this range. The flux has been just high enough to open 10 meters on occasion, such as on Saturday of the ARRL DX SSB test. With the exception of the solar storm that hit right after the ARRL CW test on Feb. 22, the absorption has remained very low.

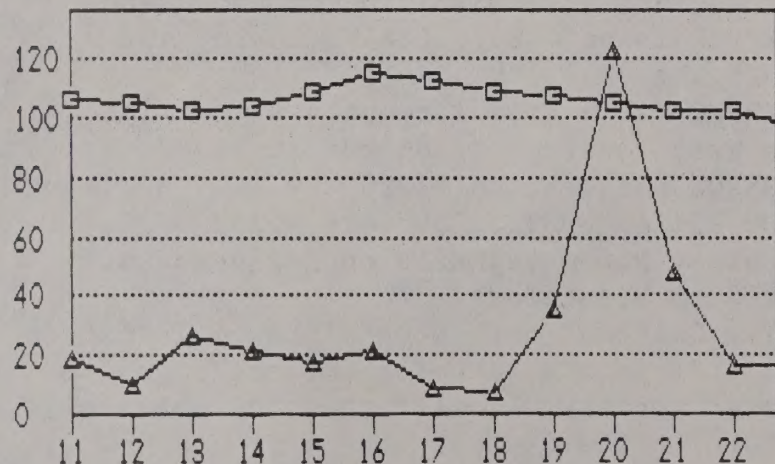
This combination of moderately high flux and low absorption has been good news for the DXer. In addition to the occasional 10-meter opening, 15 meters has been open throughout the daylight hours, and 20 meters stays open well after dark, including some good polar-path and long-haul openings. And the low bands have been productive as well, with excellent grayline and long-path 80 meter openings. The only damper on DX has been some Stratwarm alerts, which increase absorption on the higher bands and on low-latitude paths. Check WWV at 18 minutes after the hour for Stratwarm alerts.

We look for these fine band conditions to continue through March, except around Mar. 19-21, when the solar region that produced the Feb. 22 solar storm returns.

High band DXers should watch 15, 12, and 10 meters during the day. When the skip distance is decreasing on a band, check the next highest band for an opening in that direction. The 10-meter beacons between 28100 and 28200 kHz provide valuable propagation data. An updated list of these beacons is available from The DX Bulletin for an SASE.

Low band DXers should catch the sunset and sunrise openings, as well as later in the night. Several West Coast DXers have reported excellent band conditions on 80 and 40 meters around local midnight (0800Z).

The best days for DX in the next two weeks will be Mar. 17 and 18, before the onset of the solar storm.



Solar flux (squares) and Planetary A-Index (triangles) 27 days prior to dates at bottom.

VK9NS Net Moves

The DX net managed by Jim Smith VK9NS is changing frequency from 14220 to 14222 kHz. Interference from Russian RTTY stations and the second harmonic of Radio Albania prompt the shift in frequency. The net meets at 0530Z daily, and has helped many Pacific stations work choice DX.

RTTY Report

- XE3ABC says he is on 14090 kHz at 2100 Monday, Wednesday, and Friday. QSL Manuel at Box 110-D, Merida, Yucatan, 97100 Mexico.
 - The VK2AGE DX information mailbox is back on the air, after resolving some legal "third party traffic" questions.
 - OY9A is very active on 14084 kHz at 1530Z.
 - TR8JLR is on 14098 kHz around 2300Z.
 - ZK2JB on Niue frequents 14093 kHz at 0940Z.
 - 6T2MG is regular on 14082 kHz at 0930Z.
 - EA9IB Pedro has been on 21096 kHz at 1700Z.
 - PJ8UQ is active on 14082 kHz at 0940Z. QSL W3HNK.
 - FY5AU on 21090 kHz at 1745Z is Leslie Thomas. QSL to 12 Ave Pasteur, F-97300 Cayenne, French Guiana.
 - KH6QU/CU3 has been on 14088 kHz at 2230Z.
 - Ed CP5GC likes 14084 kHz at 0000Z. QSL to Box 15, Cochabamba, Bolivia.
 - AP2SQ has been on 14078 at 1145Z. QSL W3HNK.
 - ZB2IP is often on 14095 kHz at 1330Z, but disappears if a pileup ensues. QSL Box 292, Gibraltar.
 - VU2NR is on 14090 kHz at 1330Z.
 - A35SA likes 14089 at 1345Z. QSL KB7QC.
 - ZP5JAL is on 14082 kHz at 2320Z.
- Thanks to VK2SG and KT7H for this report.

AWARDS

SkiTrek Award

The Canadian Radio Relay League is sponsoring the 1988 Polar Bridge Diploma in connection with the joint Soviet/Canadian ski trip across the North Pole. The oversized certificate is available to hams who work three different calls from the Northwest Territories (NWT, usually VE8), three different calls from Asiatic Russia (usually UA9 or UA0), and one base camp station from either Canada or Russia. Also required is a contact with the capitol region of Ottawa, Canada, and one with the capitol region of Moscow, USSR. All contacts must be made between Feb. 15 and June 15, 1988.

Send your application (sample form in the K1BV Award Book) with certified log data (no QSLs required) and \$5 Canadian to CRRL National Awards Manager Garry Hammond VE3XN, 5 McLaren Ave., Listowel ON N4W 3K1 Canada.

Canada's Department of Communications has authorized the use of the CI8 prefix for NWT stations from Feb. 15 to June 15, 1988. Base station CI8C is located at Resolute Bay, NWT. (Thanks ARRL Letter.)

Low Band Century Certificate

The Japan Low Band Attackers' Association sponsors this award for working 100 points on the low bands as follows: Each confirmed country on 40 meters is worth 1 point, each on 75/80 worth 2 points, and each on 160 meters is worth 5 points. You must include all 6 continents. ARRL DXCC countries list prevails. Award is endorsable for band, mode, and at 50 points increments. All contacts must be made after Jan. 1, 1969. Cost is ¥300 or 7 IRCs for the award, or ¥100 or 2 IRCs for endorsement stickers. Include callsign, date, time, frequency, mode and RST in your GCR list, to award manager Takao Yokoyama JA2AAQ, 6-70 Kyo-machi, Tajimi, Gifu 507 Japan.

BANDPASS

Reports Wanted,
Especially RTTY, 30 meters

-----RTTY-----

3C1MB	14091	2355	2	CA
3C1MB	21091	1640	27	OH
4X6RA	14090	1645	2	CA
6T2MG	14098	2245	27	IA
6Y5MC	14082	0020	29	CA
7J6CAS	14080	0430	29	CA
8P4QT	14088	0005	1	CA
FK8FO	14093	0735	3	CA
FM5FA	14091	0018	29	CA
FO4NJ	14090	0330	4	CA
HC5K	14089	0455	29	CA
HI8EL	14084	0045	29	CA
J88BN	21082	1700	28	OH
LZ1BQD	14090	0330	4	CA
OK1KSL	14089	1530	3	CA
SP9BCH	14089	1710	29	CA
TG9VT	21088	1610	28	OH
UB0JZ	14089	1715	29	CA
VP2MHD	14090	2030	29	CA
XE3ABC	14095	0120	2	CA
YB0QC	14089	1335	28	MN
ZS6PI	21091	1640	27	OH

-----160 Meters-----

4U1UN	1840	0300	27	NY
4U1UN	1827	0605	29	IL
CU1CB	1832	0551	27	NY
HB9AMO	1831	0429	26	NY
J52US	1827	0035	29	MA
KH6AT	1831	1259	24	MT
UP1BZZ	1831	0541	17	NY
UQ2GP	1837	0005	23	MA
V47NXX	1830	0236	24	GA
YO2IS	1836	2335	20	MA

-----80 Meters-----

3B8CF	3507	0214	22	MA
3D2VU	3503	1140	28	NH
C21NI	3501	1203	22	WY
C56/	3507	0545	28	MA

DJ1RL

CN2AQ	3504	1115	23	NH
CN2AQ	3507	0550	27	WA
CN8FC	3528	0210	21	WV
HI3JH	3506	0215	29	MO
J52US	3507	2338	28	MN
JA5DQH	3507	1156	14	WV
JF6DPM	3505	1101	27	NH
KX6DC	3502	1258	28	WY
OZ1TL	3507	2200	25	NH
PZ1DV	3506	0235	24	IA
TA1SK	3505	2345	22	MA
TA4A	3501	2310	25	MA
UA0FFR	3510	1115	27	NH
UW0LT	3501	1255	29	IA
VK0HI	3521	0040	17	NY
ZL2QW	3509	1147	27	WV

-----75 Meters-----

5N0WRE	3796	0610	1	IA
6Y5HM	3790	0358	22	CA
C31UA	3798	0245	26	MA
C56/	3795	0035	29	MA
DL6NA				
EA6SX	3799	0610	1	IA

FO0AQ	3785	0810	24	IA
H44DL	3799	0959	20	MA
HK0HEU	3799	0120	25	MA
KH0AC	3792	1229	24	WY
KH3/WY5L	3789	1139	18	NY
OY9JD	3793	0336	15	NY
VK8TM	3796	1200	23	NY
ZB2FK	3640	0310	26	MA

-----40 Meters-----

3B8CF	7026	0224	24	GA
3B8CF	7004	1446	26	OR
3D2VU	7001	1211	25	WY
4K1J	7003	0045	29	IA
4K1J	7003	2313	29	FL
5A0B !	7003	2200	25	MA
5H1HK	7012	1527	19	OR
9J2JL	7007	0453	18	OR
9L1GG	7006	0700	26	CA
9M2FP	7001	1544	27	OR
9Q5DA	7004	0521	29	IL
A22BW *	7008	1500	28	CA
AH2/W9GW	7005	1115	3	FL
C31LHJ	7001	2328	29	FL
C56/	7002	0740	28	CA

DL1RL

CE0FFD	7001	0320	23	GA
EL2CU	7002	2215	27	MA
FM5ES	7005	0137	27	OR
FT5ZB	7007	0109	1	FL
HI3JH	7004	0034	3	FL
HP1XJN	7004	0442	26	OR
JT/OK1XC	7008	1420	28	CA
KH3/WY5L	7005	0431	24	KY
P29PL	7000	1236	29	OR
PY0FC	7001	0117	5	FL
PZ1DV	7028	0126	29	FL
UC2AFE	7009	0512	29	IL
UD6DKW	7001	0232	2	MA
UF6FHM	7003	1507	27	OR
UI8BAA	7003	1225	26	OR
UI8IZ	7001	2250	1	FL
UO5OFN	7012	2221	1	FL
UZ2FWZ	7001	1513	27	OR
VK9NL	7018	1233	25	MA
VP8BNO	7015	0330	25	MO
VU2TJW	7002	0138	29	MO
YC3HCM	7001	1122	4	FL
YD0PHI	7000	1110	26	OR
ZL5BKM	7011	1053	26	OR

Antarctica

ZS5WT	7006	0342	1	CA
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-----30 Meters-----

VK3YD	10106	1321	18	PA
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-----20 Meter CW-----

6W1AD	14034	2130	25	FL
BY4RB	14026	0100	24	PA
BY9GA	14030	0056	3	FL
C21DX	14029	2348	22	GA
C31NP	14009	0032	4	FL
C56/	14026	2343	1	FL
DF3ZJ				
C56/	14018	2345	29	MT
DJ1RL				
CE0ZIG	14010	0049	27	MN
CI8BM	14018	0340	3	OR
CN8FC	14033	2007	23	PA
EA9GK	14029	0039	4	FL
FT5ZB	14025	0209	1	MO
HK0BKX	14018	1319	26	CT

HZ1AB	14029	1255	25	FL
HZ1HZ	14028	1600	18	OR
RI9AAM	14019	0250	3	FL
RV0YF	14015	0417	3	OR
Zone 23				
S0RASD	14022	2230	24	FL
S0RASD	14091	2408	28	MA
TA1A	14026	1905	26	NH
TR8JJC	14003	2117	15	MT
U1P/	14004	0414	3	OR

UA10IL

UA10T	14025	2139	27	GA
UA1POL	14017	0222	1	OR
UD6DFF	14006	0326	1	WA
UG6GG	14004	1540	28	MT
UI8IK	14001	0232	29	MO
UI8VAM	14039	0307	2	OR
UL7GK	14013	1419	29	MN
UL7VV	14006	1345	28	FL
UM8BVA	14009	0252	1	CA
UM8MY	14040	0159	1	WA
VP8BNO	14026	0111	27	OR
VS6DO	14006	1420	1	MA
VU2CQ	14028	1340	26	NH
YB0BRT	14022	1333	28	FL
ZC4AP	14018	1903	26	NH
ZC4EE	14024	2303	3	FL

-----20 Meter SSB-----

1Z9B *	14165	1245	27	NJ
1Z9B *	14165	1410	29	IA
3D6AN	14248	2127	26	MD
4K1J	14205	0428	3	OR
5N0WRE	14195	0640	28	NC
5V7SA	14180	2140	28	MA
5W1GW	14168	0426	3	OR
5X5GK	14154	0012	24	GA
6W6AB	14223	0053	27	OR
9N1MM	14185	0120	1	MO
9X5AA	14183	1930	25	IA
A4XZQ *	14243	2346	26	VT
AP2SQ	14184	0243	1	OR
CE0GHO	14243	0052	21	VT
CI8/	14192	0225	1	MT
N2CLI				
Ski-Trek				
CN8LL	14188	1923	23	PA
CN8ST	14196	2005	23	NH
EA9IB	14217	2237	23	NH
EL2MS	14240	2318	22	GA
FT5ZB	14240	0156	28	MN
FW0/	14183	0237	2	WA

4X6TT

HZ1AB	14175	0307	3	OR
J52US	14193	2148	28	MA
J52US	14220	1228	29	MA
KG4JO	14195	0030	28	NH
LU1ZA	14243	0316	17	KY
OH0NJ	14182	0401	28	MA
TU2MA	14197	0106	17	MT
TZ6KL	14202	0112	20	PA
TZ6MG	14191	2147	28	MA
UJ8JCM *	14175	1240	26	GA
UJ8SAD	14202	0231	2	WA
UJ8SAD	14184	0146	3	OR
UL7OB	14223	0330	2	OR
UQ1GWW	14189	1800	27	CA
VU2NR	14176	0128	29	MO
VU2XX *	14210	1410	24	MN
YI1BGD	14191	1430	18	NY
YJ8JH	14189	0442	2	OR
ZD7BJ	14193	2100	21	CA
ZD7XY	14199	2121	24	GA

-----15 Meter CW-----

3D2VU	21024	2343	27	MT
5B4/	21012	1523	29	MT

OE5CA

****Tell your fellow DXers
about The DX Bulletin!****

5H3RB	21023	1855	24	IA
5K7U	21006	2225	1	FL
8P9AY	21026	2300	29	FL
9L1GG	21016	1730	26	MD
9Q5DA	21022	1620	28	CA
9V1OK	21018	0053	28	NM
AH2/W9GW	21022	2249	1	FL
C56/	21020	1840	27	NY

DF9ZJ

CE0ZIG	21020	2303	4	FL
JD/	21022	2241	3	FL
JG1KLF	Ogasawara			
JD1AMA	21008	2229	1	FL
Ogasawara				
KH2/NY6M	21025	2310	4	FL
KX6BU	21051	2159	21	CT
OY1R	21025	1351	28	FL
S0RASD	21053	1810	23	IN
S0RASD	21014	1525	28	CA
TR8CR	21004	1312	23	GA
TR8JLD	21038	2154	23	PA
UO5OID	21027	1427	28	FL
V85BJ	21018	2332	28	WA
VP8BNO	21031	2252	27	NY
XE0DX	21027	2304	4	FL
YN3CC	21008	2300	1	FL
Z21FN	21003	1314	24	GA
ZB2EO	21020	1757	28	MN
ZB2JI	21030	1515	28	CA

-----15 Meter SSB-----

5H3RB	21290	2142	26	MA
5T5RA	21308	1824	27	NC
5Z4MR	21290	2042	23	TX
6W7OG	21290	1844	23	NH
9J2AL	21290	1625	29	IA
9Q5NW	21249	1820	27	NC
9Q5NW	21249	1913	27	MN
A22FN	21258	2035	26	GA
A4XKB	21259	1307	1	MA
A6/F2JD	21306	1410	2	MA
D44BC	21240	1858	18	PA
DU1KWT	21240	0037	22	CA
ED6EIC	21277	1825	20	PA
EL8BS	21233	1615	27	OH
HK0HEU	21250	1329	25	NH
HV3SJ	21272	1431	27	GA
HZ1AB	21355	1151	2	MA
J28EO	21258	1351	23	NY
J52US	21236	1326	25	NH
KH3/				

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U.S.A.

CALENDAR

Issue 428 - Mar. 11, 1988

(Changes and hot info in boldface.)			
Amsterdam - FT8Z	FT5ZB 1832 14-1500Z	I426	
	7006 0100Z	I428	
Antarctica - 4K	4K1J 2330-0230Z	I428	
Aruba - P4	P40V WPX SSB	I425	
Bouvet - 3Y	3Y0FP now ?	I427	
Central Afr. Rep	TL8HW 14183 1900Z	I422	
China - BY	20 M CW/SSB 0030-01Z	I423	
Council of Europe	TP0CE Mar 11-13	I427	
Curaco - PJ2	PJ2/N5RM May 24-31	I427	
Faroes - OY	OY/DK9FE May 8-27 CW	I424	
Fiji - 3D2	4X6TT soon	I428	
Grenada - J3	Mar by K4LTA	I406	
Guam - KH2	JA2NQC Mar. 28-30	I426	
Guinea-Bissau J5	J52US 1827 2345Z	I426	
	21225 1330Z	I428	
Hong Kong - VS6	VS6DO 3505 1120Z+	I420	
Howland - KH1	by VK9NS Mar. 25-30	I428	
Kerguelen - FT-X	FT2XE now active	I428	
Kingman - KH5K	April for 1 week	I427	
Lord Howe- VK9L	by JAs Mar 20-28 WPX	I424	
Madeira - CT3	CR3CU WPX SSB	I428	
Mauritius - 3B	3B8CF 3507.2 1430Z	I420	
Midway - KH4	NY6M/KH4	I427	
Montserrat - VP2M	VP2ML WPX SSB	I424	
Monaco - 3A	3A8E, 3A8F in tests	I425	
Morocco - CN	CN8FC 21030 1700Z	I424	
Nepal - 9N	9N1MM 14236 00Z Wed	I428	
N. Antilles - PJ	PJ2/W1BIH Now-Mar	I416	
New Caledonia FK	by DL4MBE Mar 8-13	I426	
Pakistan - AP	AP2MQ 14185 0200Z	I428	
Palmyra - KH5	April for 1 week	I427	
Pitcairn - VR6	VR6ID 21305 1700Z	I425	
Nicobar - VU4	by VU2RBI soon ?	I428	
Nigeria - 5N	5N0WRE 15 SSB 1700Z	I420	
	3797 at 0600Z	I428	
St. Kitts - V47	WB1AUW/V47 Mar 13-21	I427	
Seychelles - S79	W2PN Mar 29-Apr 5	I425	
Sierra Leone - 9L	9L1GG 14012 2230Z	I421	

South Cooks ZK1	by G3MCN to Apr. 20	I428
Spratly - 1S	by DUs in April ?	I428
Tahiti - F00	F00TFL Mar. 15-22	I425
Tonga - A3	by W9GW Mar 12-22	I426
Tuvalu - T2	T22VU for 3 weeks	I428
Wallis Is. - FW	by IK2s to mid-March	I428
W. Malaysia - 9M2	9M2AX 3505 2230Z+	I420
West Sahara - S0	S0RASD 14183 1800Z	I424
Zaire - 9Q	9Q5NW 21250 1930Z+	I420
	1835 kHz at 0430Z	I420
	9Q5DA 7005 0530Z	I421
	14003 2130Z 15M CW 2100Z	
Zone 2	VE8CW Mar 5-19	I427
Zone 23 - BT0	Feb. 25-June 30	I424

DX Activities and Contests		
Date	Event or Activity	Info
Mar. 19-20	Bermuda Contest	CQ
Mar. 19-21	BARTG RTTY Test	CQ
Mar. 26-27	CQ WPX SSB	CQ

Reserve Your Island Today!		
Mar. 31	DXCC Honor Roll	QST
April 1	Aruba QSLs to DXCC	QST
April 22-24	Visalia DX Conv.	TDXB

Contributors

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